

E3 Series® Classic

Emergency Voice Evacuation System

General

The E3 Series® Classic Emergency Voice Evacuation System is an intelligent, networked, multi-channel voice evacuation system that uses analog, bulk voice amplification. The E3 Series Classic uses the latest generation of fire alarm control panel sub-assemblies that include the following:

- Intelligent Loop Interface-Main Board (ILI-MB-E3/ILI95-MB-E3)
- Intelligent Network Interface-Voice Gateway (INI-VGE-Third Generation and Legacy: INI-VGE-FO or INI-VGE-UTP)
- Addressable Node Expander (ANX)
- Repeater (RPT-E3)
- Power Supply (PM-9/PM-9G)
- Addressable Switch Sub-Assembly (ASM-16)
- Amplifier-100 watt (AA-100) or Amplifier-120 watt (AA-120)
- Remote LED Driver (ANU-48)
- LCD Display (LCD-E3) or LCD Touchscreen Display (LCD-SLP)
- Network Graphic Touchscreen Annunciator (NGA) Display

The E3 Series Classic draws on 100 or 120 watt amplifiers for powerful, bulk amplification that can be used in a variety of large-scale facilities such as industrial, university, or high-rise complexes.

The E3 Series Classic is a peer-to-peer, self-regenerating token ring passing network consisting of up to (64) nodes. In addition, the Addressable Node Expander (ANX) board expands the network to (122) nodes. The E3 Series Classic System is a modular design. This design allows a wide range of configurations from three basic assemblies to form an integrated, distributed fire alarm system with bulk audio evacuation and fire command capability.

The E3 Series Classic System can have multiple command centers. Each command center can occupy one node on the network. These multiple command centers can either serve as remote command centers duplicating the functions of a main command center or operate as an independent command center for each location in a large-scale facility.

A node may consist of an Intelligent Network Command Center (INCC-C) comprised of Intelligent Network Interface-Voice Gateways (INI-VGE), fully programmable Addressable Switch (ASM-16) sub-assemblies, a microphone for paging, and a telephone handset for fire fighter communications. The E3 Series Classic includes the following components:

- Intelligent Network Interface-Voice Gateway (INI-VGE-Third Generation and Legacy: INI-VGE-FO or INI-VGE-UTP)
- Addressable Switch Sub-Assembly (ASM-16)
- Amplifier-100 watt (AA-100) or Amplifier-120 watt (AA-120)
- Remote LED Driver (ANU-48)
- ILI-E3 and ILI95-E3 Series loop modules

FEATURES & BENEFITS

- IBC Seismic Certified
- Listed under UL® Standard 864, 9th Edition
- UL® Listed for smoke control (dedicated and non-dedicated) when properly configured
- FM/UL® Listed for Pre-action/Deluge use
- Provides up to (20), (100) or (120) watt amplifiers per INI-VGE sub-assembly
- Accommodates up to (122) nodes
- Network communications convey all fire alarm communication over unshielded, twisted-pair or fiber-optic cable
- Wires can extend up to 3,000 feet (8890 cm) between each node while the fiber-optic cable can tolerate up to 8 dB loss between each node



E3 Series Classic

Installation

An array of cabinets allows for neat, compact, attractive installations. There are several cabinet options available in the E3 Series Classic System.

Note: The INCC Inner Door is used to install the ASM-16/ANU-48 sub-assemblies and microphone.

The E3 Series Classic System offers the following enclosure:

- Amplifier Enclosure (CAB-B3, CAB-D3) that houses the AA-100 and AA-120 amplifiers. The enclosures are available in three (C3) or four D3 tiers, with one amplifier occupying one tier.

For additional information on the cabinets, refer to the E3 Series Cabinets data sheet (Part Number: 9020-0649).

ORDERING INFORMATION

Part Number	Description
E3 Series	Expandable Emergency Evacuation System
ILI-MB-E3	Intelligent Loop Interface-Main Board
ILI-S-E3	Intelligent Loop Interface-Expansion Board
ILI95-MB-E3	Intelligent Loop Interface95-Main Board
ILI95-S-E3	Intelligent Loop Interface95-Expansion Board
ANX-SR	Addressable Node Expander-Single Ring
ANX-MR-FO	Addressable Node Expander Multi-Ring Fiber Optic
ANX-MR-UTP	Addressable Node Expander Multi-Ring Unshielded Twisted-Pair
LCD-E3	LCD Keypad Display
LCD-SLP	LCD Touchscreen Display
RPT-E3-UTP	Repeater Module-Twisted-pair
FML-E3	Fiber Option Module-Multi-Mode
FSL-E3	Fiber Option Module-Single Mode
1100-0505	Network LCD Annunciator (NGA)
1100-0503	Remote LED Driver Module (ANU-48)
PM-9/PM-9G	Power Supply Module

INCC-C Intelligent Network Command Center- Classic

INI-VG Series (Third Generation-Voice Gateway Models):

INI-VGE	Classic Bulk Voice Gateway with unshielded twisted-pair wire networking, optional fiber-optic module connection.
FML-E3	Fiber-optic module, multi-mode fiber connector, single channel
FSL-E3	Fiber-optic module, single mode fiber connector, single channel

INI-VG Series (Legacy Modules):

1100-1325	INI-VGE-FO, Classic enabled voice gateway, fiber-optic module
1100-1326	INI-VGE-UTP, Classic enabled voice gateway, unshielded, twisted-pair

Remote Annunciator:

1100-0455	Programmable switch modules (ASM-16) (occupies one slot of inner door)
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Cabinets:

INCC-IDT	Inner door with one double slot for INCC-TEL handset & 4 slots
INCC-ID	Inner door with 6 slots
INCC-CABR	INCC backbox (black) with red outer door
Dimensions:	19" H x 19" W x 4" D (48 H x 48 W x 10 D cm)

ORDERING INFORMATION

Part Number	Description
Optional INCC Accessories	
INCC-TEL	Fire fighter telephone handset (requires INCC-IDT inner door)
INCC-MIC	Paging microphone module (occupies 1 slot on inner door)
INCC-BP	Command center blank face plate (occupies 1 slot on inner door)
ANU-48	Remote LED driver module (occupies 1 slot on inner door)
Bulk Amplification	
AA-100	Audio Amplifier, 100W @70.7 V _{RMS} w/built-in tone generator, 120 VAC
AA-120	Audio Amplifier, 120W @25 V _{RMS} w/built-in tone generator, 120 VAC
ACT-1	Audio coupling transformer, for audio systems w/multiple supplies
FCI-DR-C4B	Blank door, lock & keys, for backbox accepting 3 chassis, (Black)
FCI-DR-C4BR	Blank door, lock & keys, backbox accepting 3 chassis, (Red)
FCI-DR-D4B	Blank door, lock & keys, for backbox accepting 4 chassis, (Black)
FCI-DR-D4BR	Blank door, lock & keys, backbox accepting 4 chassis, (Red)
SBB-C4	Backbox, 3 chassis, (Black)
SBB-D4	Backbox, 4 chassis, (Black)
Optional Amplifier Accessories	
FCI-CHG-120	Battery charger, 25-120 A/H sealed lead-acid, mounts in FCI-LBB box
FCI-LBB	Battery box, accommodates batteries up to 55 A/H, black

Seismic Battery Bracket Kits

Note: For information on the types of Seismic Battery Bracket Kits that are available and the Seismic Battery Bracket Kit Part Numbers and the installation instructions, refer to the following documents:

Seismic Battery Bracket Installation Guide, P/N: 53839
E3 Series Cabinets Data Sheets, P/N: 9020-0649

E3 Series® Classic Technical Specifications

SPECIFICATIONS

Operating Voltage: 24 VDC

Operating Temperature: 32 - 120° F (0 - 49° C)

Relative Humidity: not to exceed with 85% non-condensing at 90° F (32° C)

TEMPERATURE AND HUMIDITY RANGES

This system meets NFPA requirements for operation at 0 - 49°C/32 - 120°F and at a relative humidity 93% ± 2% RH (non-condensing) at 32°C ± 2°C (90°F ± 3°F).

However, the useful life of the system's standby batteries and the electronic components may be adversely affected by extreme temperature ranges and humidity. Therefore, it is recommended that this system and its peripherals be installed in an environment with a normal room temperature of 15 - 27°C/60 - 80°F.

STANDARDS

The E3 Series Classic System is designed to comply with the following standard:

UL Standard: UL 864 9th Edition

AGENCY LISTINGS AND APPROVALS

These listings and approvals apply to the modules specified in this document. In some cases, certain modules or applications may not be listed by certain approval agencies, or listing may be in process. Consult the factory for the latest listing status.

UL Listed: S1869

FM Approved: 3025415

MEA Approved FDNY #: 6175, COA #-217-06-E

CSFM: 7165-1703:125

City of Chicago Approved: Class 1 Class 2 High Rise

City of Denver Approved

ISO 9001 Certification

For a complete listing of all compliance approvals and certifications, please visit: <http://www.gamewell-fci.com/en-US/documentation/Pages/Listings.aspx>

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This document is not intended to be used for installation purposes. We try to keep our product information up-to-date and accurate. We cannot cover all specific applications or anticipate all requirements. All specifications are subject to change without notice.

For more information

Learn more about Gamewell-FCI's E3 Series® Classic and other products available by visiting www.Gamewell-FCI.com

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